



cookies.

7. The computer system of claim 3, the means of communication further comprising:  
 means to receive a request from the client computer, the request including the  
 transmitted cookies;  
 means to return a response to the client computer; and  
 means to store the cookies in the unique file.
8. The computer system of claim 6, the means of communication further comprising:  
 means to receive the request from the client computer;  
 means to return a response to the client computer; and  
 means to store the cookie content in the unique file.
9. A method of administering Internet based testing on a client computer,  
 examination content being stored on a web server, the method comprising the steps of:  
 logging in a candidate;  
 beginning an examination session;  
 retrieving and displaying the examination content from the web server; and  
 automatically saving the current state of the examination session at predefined  
 intervals in a unique file.
10. The method of claim 9, wherein in the step of automatically saving the current  
 state of the examination session at predefined intervals in a unique file includes the step  
 of saving the unique file on the web server.
11. The method of claim 10, wherein in the step of automatically saving the current  
 state of the examination session at predefined intervals in a unique file includes the step  
 of:  
 transmitting cookies between the web server and the client computer to save the  
 current state of the examination.
12. The method of claim 10, wherein in the step of automatically saving the current  
 state of the examination session at predefined intervals in a unique file includes the steps

updating cookies at the predefined intervals; and  
transmitting the updated cookies in a request to the web server.

responding to the request transmitted by the client computer; and storing the transmitted cookies in the unique file.

14. The method of claim 11, wherein in the step of automatically saving the current state of the examination session at predefined intervals in a unique file further includes the steps of:

updating the cookies during the examination session at the predefined intervals;  
and  
transmitting a request to a web server, the request including the updated cookies.

15. The method of claim 11, wherein in the step of automatically saving the current state of the examination session at predefined intervals in a unique file further includes the steps of:

receiving a request from the client computer, the request including the transmitted cookies;

returning a response to the client computer; and  
storing the cookies in the unique file.

16. The method of claim 14, wherein in the step of automatically saving the current state of the examination session at predefined intervals in a unique file further includes the steps of:

receiving the request from the client computer;  
returning a response to the client computer; and  
storing the cookie content in the unique file.

17. A user interface invocable by an application program for administering a

computer based exam comprising:

a right frame for displaying at least one question;

a left frame comprising:

a listing of question numbers;

a user activable button for a calculator; and

a user activable button for a clock, the clock being adapted to either display real time, examination time elapsed or examination time remaining.

18. Computer executable software code stored on a computer readable medium, the code for administering a computer based examination having examination content, the code comprising:

code to receive a candidate specific user name and PIN;

code to begin the examination;

code to generate and transmit the examination content from a remote site;

code to update cookie content during the examination at a predefined interval; and

code to transmit a request to a web server, the request including the updated cookie content.

19. Computer executable software code stored on a computer readable medium, the code for administering a computer based examination having examination content, the code comprising:

code to generate the examination content;

code to receive a request from a client computer during the examination, the request including cookie content;

code to return a response to the client computer indicating the currently displayed content should not be changed; and

code to store the cookie content in a unique cookie jar file.

20. A programmed computer for administering a computer based examination having examination content, the programmed computer comprising:

a memory having at least one region for storing computer executable program code; and

a processor for executing the program code stored in the memory, the code comprising:

code to receive a candidate specific user name and PIN;

code to begin the examination;

5 code to update cookie content during the examination at a predefined interval; and

code to transmit a request to a web server, the request including the updated cookie content.

10 21. A programmed computer for administering a computer based examination having examination content, the programmed computer comprising:

a memory having at least one region for storing computer executable program code; and a processor for executing the program code stored in the memory, the code comprising:

code to generate the examination content;

15 code to receive a request from a client computer during an examination, the request including cookie content;

code to return a response to the client computer indicating the currently displayed content should not be changed; and

code to store the cookie content in a unique cookie jar file.

20 22. A computer readable medium having computer executable software code stored thereon, the code for administering a computer based examination having examination content comprising:

code to receive a candidate specific user name and PIN;

25 code to begin the examination;

code to retrieve and display the examination content from a remote site;

code to update cookie content during an examination at a predefined interval; and

code to transmit a request to a web server, the request including the updated cookie content.

30 23. A computer readable medium having computer executable software code stored thereon, the code for administering a computer based examination having examination content comprising:

code to generate the examination content;  
code to receive a request from a client computer, the request including cookie  
content;  
code to return a response to the client computer indicating the currently displayed  
content should not be changed; and  
code to store the cookie content in a unique cookie jar file.

24. A computer system for performing Internet based testing comprising:  
a central processing site comprising a web server and a database for storing  
examination content; and  
at least one client computer in communication with the web server via the Internet  
for retrieving and displaying the examination content and beginning an examination  
session; and  
security means substantially as described in the detailed description.

Sub A3/25. An adaptive testing method substantially as described in the detailed description.

ADD A4